

SEQUENCE LISTING

<110> AHUJA, SUNIL
GONZALEZ, ENRIQUE
MUMMIDI, SRINIVAS
DOLAN, MATTHEW
BAMSHAD, MIKE

<120> SCREENING FOR DISEASE SUSCEPTIBILITY BY GENOTYPING THE CCR5 AND CCR2
GENES

<130> 4003.001600

<140> UNKNOWN

<141> 2002-03-29

<150> PCT/US00/28158

<151> 2000-10-12

<150> 60/159,137

<151> 1999-10-12

<160> 72

<170> PatentIn version 3.0

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<400> 43
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 <400> 57
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 <223> WHEREIN R = G OR A

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 <220>
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 <222> (17)..(17)
 <223> WHEREIN Y = T OR C

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 ggaaacccat agaagayatt tggcaaacac

30

<210> 60

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 <220>
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 <220>
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 <222> (16)..(16)
 <223> WHEREIN K = G OR T

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31

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 <222> (16)..(16)
 <223> WHEREIN R = G OR A

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<221> misc_feature

<222> (16)..(19)

<223> WHEREIN Y = T OR C

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34

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<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<220>

<221> misc_feature

<222> (16)..(16)

<223> WHEREIN R = G OR A

<400> 63

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31

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ccactaagat cctgggtcca gaaaaagatg ggaaacctgt ttagctcccg tgagcccata 180

gttaaaactc tttagacaac aggttgtttc cgtttacaga gaacaataat attgggtggt 240

gagcatctgt gtggggggttg ggggtgggata ggggatacgg ggagagtgga gaaaaagggg 300

gcacagggtt aatgtgaagt ccaggatccc cctctacatt taaagttggt ttaagttggc 360

tttaattaat agcaactctt aagataatca gaattttctt aaccttttag ccttactgtt 420

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agtgaacaga	gtgaaaaatcc
	120
ccactaagat	cctgggtcca
gaaaaagatg	ggaaacctgt
ttagctcacc	cgtgagccca
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acaggttggt	tccgtttaca
gagaacaata	atattgggtg
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tgggggtggga	taggggatac
ggggagagtg	gagaaaaagg
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gggcacaggg	ttaatgtgaa
gtccaggatc	cccctctaca
tttaaagtgt	gtttaagtgt
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gctttaatta	atagcaactc
ttaagataat	cagaattttc
ttaacctttt	agccttactg
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gtacaaatca	tttgcttctt
ggatagtaat	ttcttttact
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aaaatgtggg	cttttgacta
gatgaatgta	aatgttcttc
tagctctgat	atcctttatt
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tctgtgtagt	gggatgagca
gagaacaaaa	acaaaaataat
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ccagtgagaa	aagcccgtaa
ataaactttc	agaccagaga
tctattctct	agcttatttt
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aactgttctc	tgattctttt
cgccttcaat	acacttaatg
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cttttatact	gtctatatga
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ttgattttgca	cagctcatct
ggccagaaga	gctgagacat
ccgttcccct	acaagaaact
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<222> (374)..(374)
<223> WHEREIN S = C OR G

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<223> WHEREIN R = A OR G

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<222> (546)..(546)
<223> WHEREIN Y = C OR T

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ccactaagat cctgggtcca gaaaaagatg ggaaacctgt ttagctcacc cgtgagccca 180
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ttgatttgca cagctcatct ggccagaaga gctgagacat ccgttcccct acaagaaact	840
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ccactaagat cctgggtcca gaaaaagatg ggaaacctgt ttagctcacc cgtgagccca	180
tagttaaaac tctttagaca acagggttttt tccgtttaca gagaacaata atattgggtg	240
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gggcacaggg ttaatgtgaa gtccaggatc cccctctaca tttaaagttg gtttaagttg	360
gctttaatta atagcaactc ttaagataat cagaattttc ttaacctttt agccttactg	420
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aaaatgtggg cttttgacta gatgaatgta aatgttcttc tagctctgat atcctttatt	540
ctttatattt tctaacagat tctgtgtagt gggatgagca gagaacaaaa acaaaataat	600
ccagtgagaa aagcccgtaa ataaactttc agaccagaga tctattctct agcttatttt	660
aagctcaact taaaaagaag aactgttctc tgattctttt cgccttcaat aactttaatg	720
atttaactcc accctccttc aaaagaaaca gcatttctta cttttatact gtctatatga	780
ttgatttgca cagctcatct ggccagaaga gctgagacat ccgttcccct acaagaaact	840
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 ccactaagat cctgggtcca gaaaaagatg ggaaacctgt ttagctcacc cgtgagccca 180
 tagttaaacc tctttagaca acagggtttt tccgtttaca gagaacaata atattgggyg 240
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 gggcacaggg ttaatgtgaa gtccaggatc cccctctaca tttaaagttg gtttaagttg 360
 gctttaatta atagcaactc ttaagataat cagaattttc ttaacctttt agccttactg 420
 ttgaaaagcc ctgtgatctt gtacaaatca tttgcttctt ggatagtaat ttcttttact 480
 aaaatgtggg cttttgacta gatgaatgta aatgttcttc tagctctgat atcctttatt 540
 cttttatatt tctaacagat tctgtgtagt gggatgagca gagaacaaaa acaaaataat 600
 ccagtgagaa aagcccgtaa ataaactttc agaccagaga tctattctct agcttatttt 660
 aagctcaact taaaaggaag aactgttctc tgattctttt cgccttcaat acacttaatg 720
 atttaactcc accctccttc aaaagaaaca gcattyccta cttttatact gtctatatga 780
 ttgatttgca cagctcatct ggccagaaga gctgagacat ccgttcccct acaagaaaact 840
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 <222> (45)..(524)
 <223> WHEREIN Y = C OR T

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ccactaagat cctgggtcca gaaaaagatg ggaaacctgt ttagctcacc cgtgagccca	180
tagttaaaac tctttagaca acagggtttt tccgtttaca gagaacaata atattgggtg	240
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gggcacaggg ttaatgtgaa gtccaggatc cccctctaca tttaaagttg gtttaagttg	360
gctttaatta atagcaactc ytaagataat cagaattttc ttaacctttt agccttactg	420
ttgaaaagcc ctgtgatctt gtacaaatca tttgcttctt ggatagtaat ttcttttact	480
aaaatgtggg cttttgacta gatgaatgta aatgttcttc tagytctgat atcctttatt	540
ctttatatatt tctaacagat tctgtgtagt gggatgagca gagaacaaaa acaaaataat	600
ccagtgagaa aagcccgtaa ataaactttt agaccagaga tctattctct agcttatatt	660
aagctcaact taaaaagaag aactgttctc tgattctttt cgccttcaat acacttaatg	720
atttaactcc accctccttc aaaagaaaca gcatttccta cttttatact gtctatatga	780
ttgatttgca cagctcatct ggccagaaga gctgagacat ccgttcccct acaagaaact	840
ctccccggtg agtaacctct cagctgcttg gcctgttagt tagcttctga gatgagtaaa	900
agactttaca ggaaacccat agaagac	927

<210> 70
 <211> 927
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide

<220>
 <221> misc_feature
 <222> (177)..(494)
 <223> WHEREIN Y = C OR T

<400> 70	
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agtcctcata aatgcttact ggtttgaagg gcaacaaaat agtgaacaga gtgaaaatcc	120
ccactaagat cctgggtcca gaaaaagatg ggaaacctgt ttagctcacc cgtgagycca	180
tagttaaaac tctttagaca acagggttgtt tccgtttaca gagaacaata atattgggtg	240

gtgagcatct gtgtgggggt tggggtggga taggggatac ggggagagtg gagaaaaag 300
 ggacacaggg ttaatgtgaa gtccaggatc cccctctaca tttaaagttg gtttaagttg 360
 gctttaatta atagcaactc ttaagataat cagaattttc ttaaccttty agccttactg 420
 ttgaaaagcc ctgygatctt gtacaaatca tttgcttctt ggatagtaat ttcttttact 480
 aaaatgtggg cttytgacta gatgaatgta aatgttcttc tagctctgat atcctttatt 540
 ctttatattt tctaacagat tctgtgtagt gggatgagca gagaacaaaa acaaaataat 600
 ccagtgagaa aagcccgtaa ataaaccttc agaccagaga tctattctct agcttatttt 660
 aagctcaact taaaaagaag aactgttctc tgattctttt cgccttcaat acacttaatg 720
 atttaactcc accctccttc aaaagaaaca gcatttccta cttttatact gtctatatga 780
 ttgatttgca cagctcatct ggccagaaga gctgagacat ccgttcccct acaagaaact 840
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 agactttaca ggaaacccat agaagac 927

<210> 71
 <211> 927
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic oligonucleotide

<220>
 <221> misc_feature
 <222> (94)..(895)
 <223> WHEREIN R = A OR G

<220>
 <221> misc_feature
 <222> (209)..(880)
 <223> WHEREIN Y = C OR T

<400> 71
 cttcagatag attatatctg gagtgaagaa tctgccacc tatgtatctg gcatagtgtg 60
 agtcctcata aatgcttact ggtttgaagg gcarcaaat agtgaacaga gtgaaaatcc 120
 ccactaagat cctgggtcca gaaaaagatg ggaaacctgt ttagctcacc cgtgagccca 180
 tagttaaacc tctttagacr acaggttgyt tccgtttaca gagaacaata atattgggtg 240
 gtgagcatct gtgtgggggt tggggtggga taggggatac ggggagagtg grgaaaaag 300

ggacacaggg ttaatgtgaa gtccaggatc cccctctaca tttaaagttg gtttaagttg 360
 rctttaatta atagcaactc ttaagataat cagaattttc ttaacctttt agccttactg 420
 ttgaaaagcc ctgtgatctt gtacaaatca tttgcttctt ggatagtaat ttcttttact 480
 aaaatgtggg cttttgacta gatgaatgta aatgttcttc tagctctgat atcctttatt 540
 ctttataattt tctaacagat tctgtgtagt gggatgagca gagaacaaaa acaaaataat 600
 ccagtgagaa aagcccgtaa ataaaccttc agaccagaga tctattctct agcttatttt 660
 aagctcaact taaaaagaag aactgytctc tgattctttt cgccttcaat acacttaatg 720
 atttaactcc accctccttc aaaagaaaca gcatttccta cttttatact gytatatga 780
 ttgatttgca cagctcatct ggccagaaga gctgagacat ccgttcccct acaagaaact 840
 ctccccggta agtaacctct cagctgcttg gcctgttagy tagcttctgr gatgrgtaaa 900
 agactttaca ggaaacccat agaagat 927

<210> 72
 <211> 927
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide

<220>
 <221> misc_feature
 <222> (718)..(925)
 <223> WHEREIN R = A OR G

<400> 72
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 agtcctcata aatgcttact ggtttgaagg gcaacaaaat agtgaacaga gtgaaaatcc 120
 ccactaagat cctgggtcca gaaaaagatg ggaaacctgt ttagctcacc cgtgagccca 180
 tagttaaacc tctttagaca acaggttgtt tccgtttaca gagaacaata atattgggtg 240
 gtgagcatct gtgtgggggt tgggggtggga taggggatac ggggagagtg gagaaaaagg 300
 ggacacaggg ttaatgtgaa gtccaggatc cccctctaca tttaaagttg gtttaagttg 360
 gctttaatta atagcaactc ttaagataat cagaattttc ttaacctttt agccttactg 420
 ttgaaaagcc ctgtgatctt gtacaaatca tttgcttctt ggatagtaat ttcttttact 480
 aaaatgtggg cttttgacta gatgaatgta aatgttcttc tagctctgat atcctttatt 540

ctttatatattt tctaacagat tctgtgtagt gggatgagca gagaacaaaa aaaaaataat	600
ccagtgagaa aagcccgtaa ataaaccttc agaccagaga tctattctct agcttatttt	660
aagctcaact taaaaagaag aactgttctc tgattctttt cgccttcaat acacttartg	720
atttaactcc accctccttc aaaagaaaca gcatttccta cttttatact gtctatatga	780
ttgatttgca cagctcatct ggccagaaga gctgagacat ccgttcccct acaagaaact	840
ctccccggta agtaacctct cagctgcttg gcctgttagt tagcttctga ratgagtaaa	900
agactttaca ggaaacccat agaarak	927